



PCT :Single Panel Test Cartridge



Advantages

- ◆ High Sensitivity and Specificity
- ◆ Whole Blood Test Available
- ◆ Special Dropper Provided

Clinical Application

- ◆ Diagnose sepsis and other bacterial infections, such as meningitis
- ◆ Diagnose kidney infections in children with urinary tract infections
- ◆ Determine the severity of a sepsis infection
- ◆ Find out whether an infection or illness is caused by bacteria
- ◆ Monitor the effectiveness of Antibiotics therapy

Symptoms

The test needed when someone has symptoms of sepsis or another serious bacterial infection. These symptoms include:

- ◆ Fever and chills
- ◆ Sweating
- ◆ Confusion
- ◆ Extreme pain
- ◆ Rapid heartbeat
- ◆ Shortness of breath
- ◆ Very low blood pressure



$< 0.5 \mu\text{g/L}$

Systemic infection not likely



$\geq 0.5 - < 2 \mu\text{g/L}$

Significant, but moderate systemic inflammatory response, sepsis likely



$\geq 2 - < 10 \mu\text{g/L}$

Severe sepsis: Severe systemic inflammatory response (SIRS), most likely due to infection (sepsis), high risk of developing organ dysfunction



$\geq 10 \mu\text{g/L}$

Important systemic inflammatory response almost exclusively due to severe bacterial sepsis or septic shock

Products Performance

Test Item	Specimen Type	Sampling	Loading	Reaction Time	Detection Range
PCT	WB/ Serum/ Plasma	WB: 80 μL Serum / Plasma: 50 μL	80 μL	15 min	0.1-100ng/mL

Test Procedure



Sampling



Adding



Mixing



Dropping



Testing